

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ2004/000151

| <b>A. CLASSIFICATION OF SUBJECT MATTER</b>   |   |  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
|--|---|--|-----|--|---|-----|---|--|-----|---|--|-----|--|---|-----|--|--|
| Int. Cl. 7: A45F 3/04, 3/08, 3/10  |   |  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| According to International Patent Classification (IPC) or to both national classification and IPC  |   |  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| <b>B. FIELDS SEARCHED</b>  |   |  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| Minimum documentation searched (classification system followed by classification symbols)  |   |  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  |   |  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>DWPI: IPC(7) Class Marks A45F 3/04, 3/08, 3/10 + Keywords (Frame, Rod, tube, elongate, flexible, resilient, move)  |   |  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>  |   |  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| Category*  | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| X  | WO 1998/006297 A (DANA DESIGN LTD), 19 February 1998<br>Figures   | 1,2,4-6<br>3   |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| A  | US 5090604 A (HOWE), 25 February 1992<br>Figures  | 1-6  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| A  | EP518485 B (KARRIMOR INTERNATIONAL LIMITED), 6 March 1996<br>Figures  | 1-6  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| A  | EP104538 B1 (SCHAFFER), 20 January 1988<br>Figures  | 1-6  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| A  | NZ 335931 A (MACPAC WILDERNESS EQUIPMENT LTD), 9 November 2000<br>Figures   | 1-6  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| A  | NZ 201751 A (MACPAC PRODUCTS (NZ) LTD) 31 May 1985<br>Figures   | 1-6  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex  |   |  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| <p>* Special categories of cited documents:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; vertical-align: top;">"A"</td> <td style="width: 35%;">document defining the general state of the art which is not considered to be of particular relevance</td> <td style="width: 50%; vertical-align: top;">"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E"</td> <td>earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L"</td> <td>document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O"</td> <td>document referring to an oral disclosure, use, exhibition or other means</td> <td>"&amp;" document member of the same patent family</td> </tr> <tr> <td>"P"</td> <td>document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table> |   |  | "A" | document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention | "E" | earlier application or patent but published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone | "L" | document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art | "O" | document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family | "P" | document published prior to the international filing date but later than the priority date claimed |  |
| "A"  | document defining the general state of the art which is not considered to be of particular relevance  | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| "E"  | earlier application or patent but published on or after the international filing date   | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone   |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| "L"  | document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| "O"  | document referring to an oral disclosure, use, exhibition or other means  | "&" document member of the same patent family  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| "P"  | document published prior to the international filing date but later than the priority date claimed  |  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| Date of the actual completion of the international search<br>20 September 2004   | Date of mailing of the international search report<br>23 SEP 2004   |  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |
| Name and mailing address of the ISA/AU<br><b>AUSTRALIAN PATENT OFFICE</b><br>PO BOX 200, WODEN ACT 2606, AUSTRALIA<br>E-mail address: pct@ipaustralia.gov.au<br>Facsimile No. (02) 6285 3929   | Authorized officer<br><b>G.B. NATH</b><br>Telephone No : (02) 6283 2126   |  |     |  |   |     |   |  |     |   |  |     |  |   |     |  |  |

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ2004/000151

| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |   |                       |
|---|---|-----------------------|
| Category*   | Citation of document, with indication, where appropriate, of the relevant passages    | Relevant to claim No. |
| A   | WO 1987/000013 A (MASCHINENVERTRIEB KOHLBRAT & BUNZ GmbH), 15 January 1987<br>Figures | 1-6                   |
| A   | US 2002/0170932 A1 (HIGGINS et al), 21 November 2002<br>Figures                       | 1-6                   |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ2004/000151

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in<br>Search Report |            |    | Patent Family Member |    |         |    |          |
|---|------------|----|----------------------|----|---------|----|----------|
| WO  | 9806297    | AU | 39002/97             | CA | 2261672 | US | 5890640  |
| US  | 5090604    |    | NONE                 |    |         |    |          |
| EP  | 0518485    | IE | 921498               | NZ | 242685  |    |          |
| EP  | 0104538    | AU | 19698/83             | US | 4479595 |    |          |
| NZ  | 201751     | US | 4504002              |    |         |    |          |
| WO  | 8700013    | AT | 192585               | CA | 1265769 | CN | 86104369 |
|   |            | DD | 251494               | EP | 0308397 | FI | 875072   |
|   |            | HU | 46201                | NO | 870815  | SU | 1718707  |
|   |            | US | 4871101              |    |         |    |          |
| US  | 2002170932 |    | NONE                 |    |         |    |          |
| NZ  | 335931     | AU | 36351/00             | US | 6276584 | GB | 2350286  |